

# ■ COMPRESSED AIR INDEX

## 1984

Volume 89 Numbers 1—12

ACHIEVEMENTS, Top Ten Engineering .....	Jun: 5
Additives for Concrete .....	Jan: 18
Advanced Treatment—A Case History .....	Oct: 32
Aftercoolers, Precoolers, and Intercoolers ...	Aug: 30
Agriculture, Industry Facts .....	Dec: 6
AI—see <i>Artificial Intelligence</i>	
AI Machines, Many Applications for .....	Feb: 28
Air Conditioning, Commercial, for Residences .....	Aug: 8
Air Controls: A Quiet Revolution .....	Feb: 16
Aircraft Fires, Fighting, Tool for .....	Sep: 20
Aircraft, Microlight .....	Aug: 8
Airframe Manufacturing, Robot in .....	Oct: 6
Air Logic .....	Feb: 16
Air Passenger Statistics .....	Nov: 16
Airports .....	Nov: 10
Algae Filters .....	Feb: 26
Alloy, Corrosion-Resistant .....	Oct: 5
Aluminum Dome Construction .....	Feb: 26
Aluminum, Reclaiming by Remelting .....	Feb: 27
Aluminum Scrap, Melting .....	Feb: 27
Ambulances, Bicycle .....	Jun: 6

# COMPRESSED AIR INDEX

America, Rebuilding, Priorities for .....	Jul: 5
America Rebuilds .....	Jan: 6
Antarctica, Hydrogen Generators in .....	Mar: 7
Antifrictionizing ... the Metamorphosis of the American Automobile .....	Jul: 30
Apron Services, Airport .....	Nov: 10
Aqueduct, Arizona .....	Nov: 20
Archimedes Pumps at Newark Meadows ...	Aug: 7
Arizona, Central, Canal Project .....	Nov: 20
Artificial Intelligence, Current Applications in .....	Feb: 28
Artificial Intelligence Glossary .....	Feb: 33
Artificial Intelligence in Prospecting .....	Dec: 8
Asphalt Concrete, Vibratory Compaction of .....	Jan: 12
Atom Smasher vs. Rebuilding America— Editorial .....	Jul: 5
Automobile, Antifrictionizing .....	Jul: 30
Automobile Designs, Antifriction Aspects of .....	Jul: 30
Automotive Gasket Sculpture .....	Oct: 5
Awards, Industrial Design, 1984 .....	Apr: 20
BACK Injuries, Miners' .....	May: 5
Bailey, Ralph E.—Crisis in American Mining .....	May: 18
Bearings for Brooklyn Bridge .....	Mar: 9
Bicycle Ambulances .....	Jun: 6
Birds, Preserving from Electrocutions .....	Nov: 9
Blue Plains Wastewater Treatment Plant ...	Oct: 32
Bolter, Roof .....	May: 31
Bolt, Twist-Off, for Structural Steel .....	Jan: 28
Bridgebuilding, History of American .....	Jul: 10
Bridgebuilding, Roman .....	Sep: 7
Bridge Forms .....	Jul: 18
Bridge Reconstruction, Bearings for .....	Mar: 9
Bridge Rehabilitation .....	Jul: 17
Bridges and Roads, Reconstruction of .....	Jan: 6
Bridges, Building .....	Jul: 10
British Columbia, Oil Finds in .....	Oct: 5
Brooklyn Bridge, Bearings for .....	Mar: 9
Building of Bridges .....	Jul: 10
Business Confidence in Recession .....	Jun: 26
Business Philosophy for Steel .....	Aug: 5
CANADA's Largest Mining Scheme .....	May: 24
Canals, Central Arizona Project .....	Nov: 20
Cannon-Loading Robots .....	Mar: 8
Career Planning .....	Jul: 7
Car Racing and Hand-Held Computers .....	Aug: 16
Cechetini, J. A.—Vibratory Compaction of Asphalt Concrete .....	Jan: 12
Centrifuge Measures Land Subsidence .....	Nov: 8
Ceramics, Advances in .....	Sep: 8
Chair, Penelope, Design Award Winner .....	Apr: 23
Chevrolet Corvette, Design Award Winner ...	Apr: 25
CNG Rally .....	Dec: 35
CNG Vehicles Emerge .....	Dec: 28
Coal Company, One-Man .....	Aug: 8
Coal Costs—Editorial .....	May: 3
Coal Forecast .....	May: 20
Coal, Gas Turbines Burn .....	Dec: 5
Coal, High-Sulfur, and the Environment ...	May: 6
Coal Industry Crisis .....	May: 18
Coal Mines, Draining Gas from .....	Jan: 25
Coal Mining and Hand-Held Computers ...	Aug: 18
Coal Mining Development, Canadian .....	May: 24
Coal Mining, Longwall .....	May: 10
Coal, Pumping, in Philippines .....	Dec: 5
Coal-Water Slurry Tested .....	Feb: 27

Coal, Winning, with Longwall Mining .....	May: 10
Cogeneration at Gas Pipeline Compressor Station .....	Feb: 27
Coin Collection, Nickel-Containing .....	Sep: 7
Collection, Coin, Nickel-Containing .....	Sep: 7
Combat Engineers at Normandy Beach .....	Jun: 30
Compaction, Vibratory, of Asphalt Concrete ...	Jan: 12
Composites, Advances in Nonmetallic .....	Sep: 8
Compressed Air Storage for Energy .....	Nov: 37
Compressed Natural Gas Vehicles .....	Dec: 28
Compressor, Counter Rotation Option .....	May: 8
Compressor, Hydrogen Gas, World's Largest .....	Apr: 7
Compressor Station, Gas Pipeline, and Cogeneration .....	Feb: 27
Compressors, Portable, Cooling for .....	Aug: 35
Computer-Based Training .....	Feb: 13
Computer Housing, Design Award Winner..	Apr: 23
Computer Industry, Review of .....	Jul: 8
Computer, Portable, Wearable, Design Award Winner .....	Apr: 24
Computer, Weather .....	Dec: 5
Computerized Maintenance Systems .....	Jul: 20
Computerized PPM Systems .....	Jul: 20
Computers, Briefcase .....	Aug: 10
Computers, Hand-Held .....	Aug: 10
Computers, Hand-Held, Applications of ....	Aug: 16
Concrete, Asphalt, Vibratory Compaction of .....	Jan: 12
Concrete Bridges .....	Jan: 18
Concrete Buildings .....	Jan: 18
Concrete in Bridgebuilding .....	Jul: 10
Concrete, Laying in Desert .....	Nov: 20
Concrete, Making Stronger .....	Jan: 18
Consortiums and RDLs in R&D .....	Mar: 20
Construction, Aluminum Dome .....	Feb: 26
Construction Industry Pitfalls—Editorial ...	Jan: 3
Continuous Miner, All-Electric .....	May: 33
Controls, Air, State-of-the-Art in .....	Feb: 16
Cooler, Gas, Theory .....	Aug: 32
Cooling, Commercial, for Residences .....	Aug: 8
Cooling Portable Compressors .....	Aug: 35
Cool Storage for Energy .....	Nov: 37
Coping with High-Tech Stress .....	Feb: 6
Corporate Effectiveness in Recession .....	Jun: 20
Corrosion-Resistant Alloy .....	Oct: 5
Corvette, Design Award Winner .....	Apr: 25
Counter Rotation Option for Compressors ...	Mar: 8
Cover Recognition .....	Dec: 6
Crawler Drills, New Applications for .....	Sep: 24
Crisis in American Mining— Ralph E. Bailey .....	May: 18
Cross-Country Ski Racing Boots, Design Award Winner .....	Apr: 21
Crude, High-Sulfur, Refining .....	Mar: 7
Crude Pipelining in India .....	Jun: 36
Crude, Refining Cruder .....	Oct: 16
DEBURRING, Drilling and, in One Operation .....	Jan: 24
Desert, Laying Concrete in .....	Nov: 20
Design Awards, Industrial, 1984 .....	Apr: 20
Design, Engineering, and Hand-Held Computers .....	Aug: 17
Designing Pumps .....	Oct: 8
Diamond, Industrial, Packaging for, Design Award Winner .....	Apr: 25
Dollar Factor, Strong .....	Feb: 3
Dome Construction, Aluminum .....	Feb: 26
Doorknobs and Locks at Grand Canyon ....	Aug: 7

Dragonfly, Microlight Aircraft Called .....	Aug: 8	Fluids, Pumping .....	Oct: 8
Drilling and Deburring in One Operation ..	Jan: 24	Forecasting, Economic .....	Sep: 3
Drills, Crawler, New Applications for .....	Sep: 24	Fountain Project, Design Award Winner ....	Apr: 24
Drills, Microsized .....	Jul: 9	Fuel Consumption and Recycled Energy ....	Jul: 7
Drills with Big Versatility .....	Sep: 24	Fuel Savings with Natural Gas Vehicles ....	Dec: 28
Drug Abuse—Editorial .....	Oct: 3	Fuel Systems, Compressed Natural Gas .....	Dec: 28
EAGLE, Golden, Electrocutions .....	Nov: 9	Fusion Energy .....	May: 5
Economic Forecasting—Editorial .....	Sep: 3	GAS Cooler Theory .....	Aug: 32
Economic Reform—Editorial .....	Dec: 3	Gas, Draining from Australian Coal Mines ..	Jan: 25
Editorial—Atom Smasher vs. Rebuilding America .....	Jul: 5	Gas, Draining, From Coal Mines .....	Jan: 25
Editorial—Coal Costs .....	May: 3	Gas, Hydrogen, Compressor, World's Largest .....	Apr: 7
Editorial—Construction Industry Pitfalls ...	Jan: 3	Gas, Natural, Vehicles .....	Dec: 28
Editorial—Drug Abuse .....	Oct: 3	Gasket, Automotive, Sculpture .....	Oct: 5
Editorial—Economic Forecasting .....	Sep: 3	Gasoline Production Economics .....	Oct: 23
Editorial—Economic Reform .....	Dec: 3	Gas Pipeline Compressor Station, Cogeneration at .....	Feb: 27
Editorial—Geothermal Energy .....	Apr: 3	Gas Turbines Burn Coal .....	Dec: 5
Editorial—International Information Exchange .....	Jun: 3	Generators, Hydrogen, in Antarctica .....	Mar: 7
Editorial—National Industrial Policy .....	Mar: 5	Geothermal Energy—Editorial .....	Apr: 3
Editorial—Steel .....	Aug: 5	Geothermal Energy Generates Electrical Excitement .....	Apr: 10
Editorial—Strong Dollar Factor, The .....	Feb: 3	Geothermal Power Plants, World's .....	Apr: 13
Editorial—Unemployment .....	Nov: 3	Glass-Encased Village .....	Jun: 7
Electric Continuous Coal Miner .....	May: 33	Glossary for Artificial Intelligence .....	Feb: 33
Electricity, Generating With Geothermal Energy .....	Apr: 10	Gold Discovery in Mexico .....	Aug: 7
Electronics Threat to Paper Industry .....	Feb: 27	Golden Eagle Electrocutions .....	Nov: 9
Electronic Technology in Industry .....	May: 6	Grand Canyon, Locks and Doorknobs for ...	Aug: 7
Emissions, Flue-Gas, Cleaner .....	Dec: 7	Ground Control, Nonwoven Fabrics for ....	Jun: 5
Employment, New Hires, Poor Quality .....	Nov: 7	HANDCART, Crude Design For .....	Jul: 9
Energy-Efficient Motors .....	Aug: 22	Hand-Held Computer Applications .....	Aug: 16
Energy from Truck Exhaust .....	Feb: 26	Hand-Held Computers .....	Aug: 10
Energy, Fusion .....	May: 5	Hazardous Waste .....	Jun: 8
Energy, Geothermal .....	Apr: 3	Hazardous Waste, Government Involvement in .....	Jun: 10
Energy, Geothermal .....	Apr: 10	Heading and Extraction Machines, Paurat ...	May: 32
Energy in the Wastebasket .....	Mar: 30	Headlamps, Homofocal .....	Sep: 6
Energy, Recycled, and Fuel Consumption ...	Jul: 7	Heat Storage for Energy .....	Nov: 37
Energy Storage .....	Nov: 37	High-Sulfur Coal and the Environment ....	May: 6
Engineering Achievements, Top Ten .....	Jun: 5	High-Sulfur Crude, Refining .....	Mar: 7
Engineering Design and Hand-Held Computers .....	Aug: 17	History of Bridgebuilding in America .....	Jul: 10
Engineers, Combat, at Normandy Beach ....	Jun: 30	History of Wastewater Treatment .....	Oct: 31
Environmental Danger of Oil Spills .....	Dec: 20	Hohokam Indians .....	Nov: 25
Environment and High-Sulfur Coal .....	May: 6	Homofocal Headlamps .....	Sep: 6
Erecting Power Transmission Lines .....	Jul: 36	Hot-Gas Expander in Refineries .....	Oct: 23
Ergonomic Studies for Work Stations .....	Feb: 3	Human Resources in Recession .....	Jun: 21
Exchanging Information, International ....	Jun: 3	Hydraulic Fluid, Mostly Water .....	May: 7
Executives, Technical People as .....	Jan: 25	Hydrogen Gas Compressor, World's Largest ...	Apr: 7
Exhaust from Trucks, Energy Derived from ...	Feb: 26	Hydrogen Generators in Antarctica .....	Mar: 7
Expander, Hot-Gas, in Refineries .....	Oct: 23	Hydro, Underground Pumped .....	Nov: 37
Exploration, Offshore, New Techniques in ..	Dec: 8	ICEBERGS, Moving .....	Sep: 16
Export Myths Exploded .....	Aug: 9	Indians, Hohokam .....	Nov: 25
FABRICS for Ground Control .....	Jun: 5	Indonesia, Underground Mining in .....	Oct: 6
Fascinating World of Fasteners .....	Mar: 10	Industrial Design Awards, 1984 .....	Apr: 20
Fastener Classifications .....	Mar: 16	Industrial Diamond Packaging, Design Award Winner .....	Apr: 25
Fasteners, Fascinating World of .....	Mar: 10	Industrial Fasteners .....	Mar: 10
Fasteners, Industrial .....	Mar: 10	Industrial Policy, National .....	Mar: 5
Fastener, Twist-Off Bolt for Structural Steel ...	Jan: 28	Industry Uses Electronic Technology .....	May: 6
Fastening Tools .....	Mar: 10	Inflation, Restaurant .....	Oct: 6
Fiber Reinforcement of Concrete .....	Jan: 18	Information Exchange, International .....	Jun: 3
Fiber Sources for Nonmetallics .....	Sep: 11	Infrastructure, Needs and Solutions for America's .....	Jan: 6
Fighting Dynamo for Aircraft Fires .....	Sep: 20	Injector, Rumen, Design Award Winner ....	Apr: 21
Filters, Algae .....	Feb: 26	Injuries, Miners' Back .....	May: 5
Fires, Aircraft, Fighting .....	Sep: 20	Insurance Estimating and Hand-Held Computers .....	Aug: 18
Fish, Protecting Snail Darter .....	Nov: 8		
Flue-Gas Emissions, Cleaner .....	Dec: 7		
Fluid, Hydraulic, Mostly Water .....	May: 7		
Fluidics .....	Feb: 16		



# ■ COMPRESSED AIR INDEX

Insurance, Liability, for Robots .....	Apr: 6
Intelligence, Artificial, Current Applications in .....	Feb: 33
Intercoolers, Precoolers, and Aftercoolers ...	Aug: 30
International Information Exchange—	
Editorial .....	Jun: 3
Irwin, C. P.—New Structural Steel Fastener ...	Jan: 28
JOINT, Universal, Plastic-Hub .....	Jul: 34
KEEPING It Cool .....	Aug: 30
Knott, Stuart—Peace-of-Mind Business System .....	Nov: 28
LAND Subsidence, Centrifuge to Measure ..	Nov: 8
Laser Simulates Robots' Work .....	Apr: 5
Last of the Great Desert Canals .....	Nov: 20
Leasing Benefits .....	Apr: 30
Leasing Trend Gains Momentum .....	Apr: 28
Lessor, Evaluating A .....	Apr: 31
Liability Insurance for Robots .....	Apr: 6
Locks and Doorknobs at Grand Canyon .....	Aug: 7
Logic, Air .....	Feb: 16
Longwall Coal Mining .....	May: 10
Lubricating Device, Simple .....	Mar: 9
MACHINE, Man is the Ultimate .....	Sep: 5
Machines, AI, Many Applications for .....	Feb: 28
Maintenance, Preventive and Predictive .....	Jul: 20
Maintenance Programs Use Computers .....	Jul: 20
Making Concrete Stronger .....	Jan: 18
Man, the Ultimate Machine .....	Sep: 5
Many Hats of AI Machines .....	Feb: 28
Melting Light Aluminum Scrap .....	Feb: 27
Metallurgical Nodules, Cure for .....	Dec: 6
Meters, pH, Design Award Winner .....	Apr: 22
Mexico, Gold Discovery in .....	Aug: 7
Microlight Aircraft .....	Aug: 8
Microsized Mechanical Drills .....	Jul: 9
Milling Pavement .....	Jun: 5
Miner, Continuous, All-Electric .....	May: 33
Miners' Back Injuries .....	May: 5
Mines, Coal, Draining Gas from .....	Jan: 25
Mines, Ventilation for .....	May: 31
Mining, American, Crisis in .....	May: 18
Mining, Canada's Largest .....	May: 24
Mining, Coal, and Hand-Held Computers ..	Aug: 18
Mining Coal, Longwall .....	May: 10
Mining, Maximizing Efficiency In .....	May: 30
Mining, Underground, in Indonesia .....	Oct: 6
Modern-Day Prospecting .....	Dec: 8
Mojave Desert, Solar Power Scheme on .....	Jun: 6
Motors, Energy-Efficient .....	Aug: 22
Moving Mountains of Ice .....	Sep: 16
Municipal Wastes for Energy .....	Mar: 30
Muscular Robot Arm .....	Sep: 7
NATIONAL Industrial Policy—Editorial ...	Mar: 5
Natural Gas, Compressed, Vehicles .....	Dec: 28
Natural Gas Vehicle Industry .....	Dec: 33
Natural Gas Vehicles, European .....	Dec: 32
Neutrinos in Prospecting .....	Dec: 8
Newark Meadows, Archimedes Pumps for ..	Aug: 7
New Dimensions of Hand-Held Computers ..	Aug: 10
New Hires, Poorly Prepared .....	Nov: 7
New Structural Steel Fastener—	
C. P. Irwin .....	Jan: 28
NGV Infrastructure .....	Dec: 33
Nickel-Containing Coin Collection .....	Sep: 7
Nodules, Metallurgical, Cure for .....	Dec: 6

Nonmetallic Pathways to a New Age .....	Sep: 8
Normandy Beach, Combat Engineers at .....	Jun: 30
Northsea Oil Platform, Customized .....	Sep: 5
Nuclear Power, Broken Promises of .....	Apr: 3
OFFSHORE Exploration, New	
Techniques in .....	Dec: 8
Oil Finds in British Columbia .....	Oct: 5
Oil Platform, Northsea, Customized .....	Sep: 5
Oil Pollution, Offshore, from Oil Well	
Leaks .....	Jan: 24
Oil Replaced by Coal-Water Slurry .....	Feb: 27
Oil Spills, No Slick Solution for .....	Dec: 20
Oil Well Leaks, Offshore .....	Jan: 24
Organizational Streamlining in Recession ..	Jun: 20
PACKAGING for Industrial Diamonds,	
Design Award Winner .....	Apr: 25
Paper Industry, Electronics Threat To .....	Feb: 27
Passenger Traffic, Air, Statistics .....	Nov: 16
Paurat Heading and Extraction Machines ...	May: 32
Pavement Milling .....	Jun: 5
Peace-of-Mind Business System—	
Stuart Knott .....	Nov: 28
Pelleting Wastes .....	Mar: 30
Penelope Chair, Design Award Winner .....	Apr: 23
Penetrator, Skin, for Aircraft Fires .....	Sep: 20
Pipe'line, Gas, Cogeneration on .....	Feb: 27
Pipelining, Crude, in India .....	Jun: 36
Plasma Torch, Superhot .....	Jan: 25
Plastic-Hub Universal Joint .....	Jul: 34
Plastics, Advances in .....	Sep: 8
Policy, National Industrial .....	Mar: 5
Portable Compressors, Cooling	
Considerations for .....	Aug: 35
Portable Computer, Wearable, Design	
Award Winner .....	Apr: 24
Power in Antarctica .....	Mar: 7
Power Lines, Erecting Through	
Wilderness Areas .....	Jul: 36
Power, Nuclear, Broken Promises of .....	Apr: 3
Power Plants, Geothermal, World's .....	Apr: 13
Power, Solar, on Mojave Desert .....	Jun: 6
Power Transmission Through	
Wilderness Areas .....	Jul: 36
Precoolers, Intercoolers, and Aftercoolers ...	Aug: 30
Predictive and Preventive Maintenance .....	Jul: 20
Pressure, Work, in High-Tech Situations ....	Feb: 3
Preventive and Predictive Maintenance .....	Jul: 20
Productivity and Stress .....	Feb: 13
Productivity Increased with Work	
Slowdown .....	Jul: 7
Prospecting, Modern-Day .....	Dec: 8
Pumped Hydro, Underground .....	Nov: 37
Pumping Coal in Philippines .....	Dec: 5
Pumping Crude in India .....	Jun: 36
Pumps, Archimedes, at Newark Meadows ..	Aug: 7
Pumps, Design History of .....	Oct: 8
Pumps, The Heart of Fluid Transport .....	Oct: 8
R&D, CONSORTIUMS and RDLPS in .....	Mar: 20
R&D in Sweden .....	Mar: 7
R&D Limited Partnerships .....	Mar: 20
Radiators for Cooling Portable Compressors ..	Aug: 35
Radioactive Waste Disposal .....	Jan: 24
Rainfall Project, Design Award Winner .....	Apr: 24
Ram Chip Debacle .....	Mar: 23
RDLPS and Consortiums: New Wave in	
R&D .....	Mar: 20
Rebuilding America .....	Jan: 6

Rebuilding America, Priorities for .....	Jul: 5	Subsidence, Land, Centrifuge to Measure ...	Nov: 8
Recession, Corporate Effectiveness in .....	Jun: 20	Superchips for Superconductors .....	Feb: 31
Reconstruction, Bridge, Bearings for .....	Mar: 9	Superconductors, Superchips for .....	Feb: 31
Refineries, Capital Spending at .....	Oct: 19	Superplasticizers for Concrete .....	Jan: 18
Refineries Revamp for "Bottom of the Barrel" .....	Oct: 16	Sweden, R&D in .....	Mar: 7
Refining High-Sulfur Crude .....	Mar: 7	TECHNICAL People as Executives .....	Jan: 25
Refining the Cruder Crude .....	Oct: 16	Terminal Design, Airport .....	Nov: 10
Refining the Economies of Gasoline Production .....	Oct: 23	Tightening Systems for Industrial Fasteners ...	Mar: 10
Reinforced Concrete in Bridgebuilding .....	Jul: 14	Tool, Self-Sharpening .....	Jan: 24
Remote Power Transmission .....	Jul: 36	Torch, Plasma, Superhot .....	Jan: 25
Rescue, Sea, Device .....	Jun: 5	Training, Computer-Based .....	Feb: 13
Research Consortium Membership .....	Mar: 26	Training to Cope with High-Tech Conditions .....	Feb: 3
Research Consortiums .....	Mar: 20	Training Trainmen .....	Sep: 6
Restaurant Inflation .....	Oct: 6	Trainmen, Training .....	Sep: 6
Revamping Refineries .....	Oct: 16	Transportation Centers, Airports .....	Nov: 10
Roads and Bridges, Reconstruction of .....	Jan: 6	Treating Wastewater .....	Oct: 28
Robot Arm, Muscular .....	Sep: 7	Treating Wastewater at Washington, D.C. ...	Oct: 32
Robot Design, Software for .....	Dec: 7	Truck Exhaust, Energy from .....	Feb: 26
Robot in Airframe Manufacturing .....	Oct: 6	Turbines, Gas, Burn Coal .....	Dec: 5
Robots, Cannon-Loading .....	Mar: 8	Twist-Off Bolt for Structural Steel .....	Jan: 28
Robots, Liability Insurance for .....	Apr: 6	UNDERGROUND Mining in Indonesia ....	Oct: 6
Robots' Work, Laser Simulates .....	Apr: 5	Underground Pumped Hydro for Energy ...	Nov: 37
Roman Bridgebuilding .....	Sep: 7	Unemployment—Editorial .....	Nov: 3
Roof Bolter .....	May: 31	Universal Joint, Plastic-Hub .....	Jul: 34
Rotation, Counter, Option for Compressors..	Mar: 8	VALUE of the Dollar .....	Feb: 3
Rumen Injector, Design Award Winner .....	Apr: 21	Vehicle Mover .....	Nov: 7
Running Lean and Mean .....	Jun: 20	Vehicles, CNG, Emerge .....	Dec: 28
SCRAP Reclamation, Aluminum .....	Feb: 27	Ventilation for Underground Mines .....	May: 31
Sculpture, Automotive Gasket .....	Oct: 5	Ventilator for Sports Arena .....	Jun: 6
Sea Rescue Device .....	Jun: 5	Vibratory Compaction of Asphalt Concrete—J. A. Cechetini .....	Jan: 12
Security Systems for Businesses .....	Nov: 28	Video Display Terminals and Stress .....	Feb: 6
Seismic Testing in Prospecting .....	Dec: 8	Village, Glass-Encased .....	Jun: 7
Self-Sharpening Tool .....	Jan: 24	WASTEBASKET, Energy in the .....	Mar: 30
Shareowner Demographics .....	May: 6	Waste Disposal, Radioactive .....	Jan: 24
Showroom System, Design Award Winner, 1984 .....	Apr: 20	Waste, Hazardous .....	Jun: 8
Silicon Carbide Products .....	Sep: 13	Waste, Radioactive, Disposal .....	Jan: 24
Skid for Moving Vehicles .....	Nov: 7	Wastes, Municipal, for Energy .....	Mar: 30
Skiing, Snowmaking for .....	Apr: 6	Wastes, Pelleting .....	Mar: 30
Skin Penetrator for Aircraft Fires .....	Sep: 20	Waste-to-Energy Systems .....	Mar: 30
Ski Racing Boots, Design Award Winner ....	Apr: 21	Wastewater Treatment .....	Oct: 28
Snail Darter Plight .....	Nov: 8	Wastewater Treatment, History of .....	Oct: 31
Snowmaking for Skiing .....	Apr: 6	Wastewater Treatment Plant at Washington, D.C. ....	Oct: 32
Software for Robot Design .....	Dec: 7	Water-Coal Slurry Tested .....	Feb: 27
Solar Power on Mojave Desert .....	Jun: 6	Water, Why Doesn't It Burn .....	Dec: 7
Space Suit, Canadian Design for .....	Apr: 5	Wearable Portable Computers, Design Award Winner .....	Apr: 24
Spills, Oil, Cleaning Up .....	Dec: 20	Weather Computer .....	Dec: 5
Sports Arena, Ventilator for .....	Jun: 6	Winning Coal, A Wall at a Time .....	May: 10
Steel, Business Philosophy for .....	Aug: 5	Wood Stove, Safety .....	Nov: 7
Steel—Editorial .....	Aug: 5	Work Pressure in High-Tech Situations ....	Feb: 3
Steel, Twist-Off Bolt for Fastening .....	Jan: 28	Work Slowdown Increases Output .....	Jul: 7
Storage, Energy .....	Nov: 37	Work Stations and Stress Factors .....	Feb: 3
Stove, Wood, Safety .....	Nov: 7		
Stress, Coping with High-Tech .....	Feb: 6		
Strong Dollar Factor, The—Editorial .....	Feb: 3		
Structural Steel Fastener—Twist-Off Bolt ...	Jan: 28		

## BACK ISSUES

Past issues of *Compressed Air* magazine for 1984 are available in limited quantity at a cost of \$1.50 per copy. Only U.S. and Canadian orders can be filled. Make checks or money orders payable to Compressed Air Magazine.